

Abstract

A composting system with a digestion chamber, an auger shaft with at least one mixing vane, and a power unit. The power unit can be hydraulic and can also power a shredding unit and an input conveyor system. A barrier wall can be interposed between 5 those elements and the digestion chamber. The digestion chamber can be divided into subchambers, and sequentially lower apertures can promote a progression of organic material. A malfunction sensor can sense a malfunction of the auger shaft, the shredding unit, or another component. A malfunction report can be provided, including to a remote receiver. The report can include a determined location of the composting system and can 10 be directed to a selected receiver based on the malfunction. Fluids, including gasses and liquids, can be introduced by a supply source in combination with apertures along the auger shaft and/or a mixing vane.